SafetyMOB

Wireless Kill Cord

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Wireless kill cord - emergency stop

Every year there is several serious boating accidents where the driver falls overboard and the kill cord has not been used.
If you fall overboard there is a great risk that the boat automatically turns and you get run over, or it continues straight ahead while maintaining speed.

The SafetyMOB system consists of a helm unit attached to the life jacket or the driver and a boat unit that is mounted in the boat. The helm unit communicates constantly with the boat unit which is connected to the boat's existing emergency stop - hold to run, if you fall overboard the communication is interrupted and the engine stops

After the system is triggered for man overboard, the engine can be restarted by switching off the SafetyMOB system and after that start the engine as usual. If you have forgotten to bring the helm unit you can run the boat as usual, the system is not activated until a helm unit are in close proximity to the boat unit on startup.

The SafetyMOB system works on both outboard and inboard engines, gasoline and diesels with electronic stop.

A detailed installation and user manual can be downloaded from www.safeportmarine.se

Specification boat unit

- Operating voltage: 10-16V DC
- Current consumption: 10mA
- Dimensions: 80x40x20 mm
- IP66 protection class

Specification helm unit

- Battery: CR2032 3V
- Operating time: exceeding 1 year
- Dimensions: 66x30x11mm
- Weight: 25 gram
- IPX7 protection class

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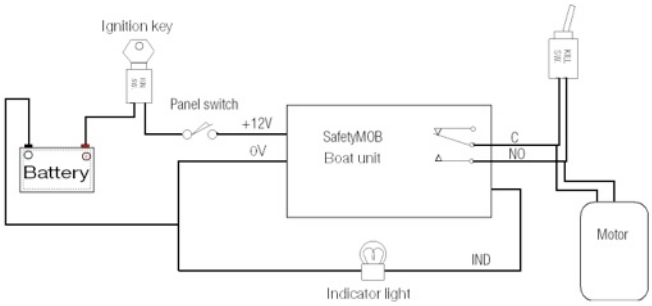
Ease of installation

Installing a SafetyMOB boat unit is relatively easy and can be performed by "DIY".
The boat unit´s cabling for emergency stop is connected in parallel or in series with the existing emergency stop. The boat's existing emergency stop will continue to function as normal. It is possible to connect an indicator light showing the current state of the system. It is also possible to connect an external relay, this can be used for instance to stop an electric motor (trolling motor).

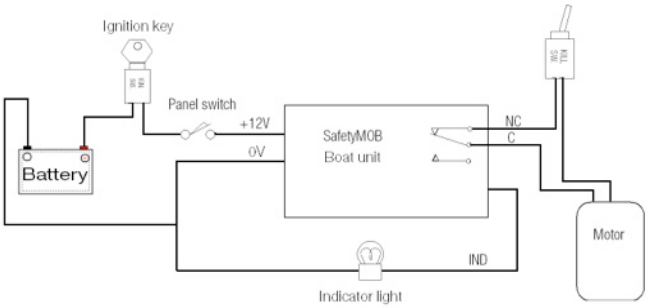
The boat unit is preferably mounted close to the steering wheel so that the distance to the driver is minimized, this makes the system less sensitive to radio interference.

System configuration

When deploying a new system, the helm unit must be recognized by the boat unit. Pushing the button on the boat unit will start the search for helm units. To ensure that the helm unit is transmitting you should give it a shake. When the boat unit ‘chirps’ 2 times a helm unit has been registered and the system is ready for use. This procedure is only necessary when you want to register a new helm unit to the system.



Installation in a boat with short-circuit kill switch system.



Installation in a boat with breaking-up kill switch system.

Technical specification

Boat unit

Operating voltage: 10-16V DC
Current consumption: 130 mA
Connections: 1.25mm2 cables
External relay: 12V/1A
Indicator light: 80mA/12V
Environmental resistance: IP66
Dimensions: 76x53x13 mm

Helm unit

Battery: CR2032 3V Lithium
Operating time: exceeding 1 year
Range: 10-15m
Operating temp.: -20 to +50 deg C
Weight: 25g
Environmental resistance: IPX7
Dimensions: 60x30x11 mm

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